

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : CALCITONIN PHARMACEUTICAL PREPARATION

ABSTRACT : PURPOSE: A calcitonin pharmaceutical preparation for oral cavity medication capable of being absorbed from digestive tubes, comprising calcitonin, an ascorbic acid, acidic amino acid, etc.

CONSTITUTION: The titled pharmaceutical preparation comprising calcitonin, an ascorbic acid, an acidic amino acid (e.g., glutamic acid, its sodium salt), citric acid, an unsaturated fatty acid (e.g., oleic acid, linoleic acid, their sodium salt), or salicylic acid. Calcitonin has been used as a remedy for hyperkalemia, bone behcet's disease, especially senile osteoporosis, but it is not absorbed by oral administration through decomposition by the action of protease in the digestive tubes because it is a peptide compound. However, the addition of the abovementioned compound increases absorption from the digestive tubes and makes oralcavity medication possible.

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